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PLUS 4/21/04

Butler, Douglas

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Fr m: PLUS  
Sent: Wednesday, April 21, 2004 10:04 AM  
To: Butler, Douglas  
Subject: PLUS Results for 10605598

Here are the PLUS search results for 10605598.

This search was prepared by the staff of the Scientific and Technical Information Center, SIRA. If you have questions or comments about this search, please reply via email to PLUS@uspto.gov.



10605598\_QUAL.txt



10605598\_LIST.txt



10605598\_WEST.txt



10605598\_EAST.txt



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10605598\_CLS.txt



10605598\_CLSTITLES.txt



10605598\_WDS.txt

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## 10605598\_LIST

PLUS Search Results for S/N 10605598, Searched April 21, 2004

The Patent Linguistics Utility System (PLUS) is a USPTO automated search system for U.S. Patents from 1971 to the present. PLUS is a query-by-example search system which produces a list of patents that are most closely related linguistically to the application searched. This search was prepared by the staff of the Scientific and Technical Information Center, SIRA.

4256209	5255874	6691393
5012901	4043431	5452780
6233533	4310131	4605103
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10605598\_CLS  
Most Frequently Occurring Classifications of Patents Returned  
From A Search of 10605598 on April 21, 2004

Original Classifications

14	188/71.5
12	188/218XL
8	188/71.4
6	188/18A
6	188/71.6
4	188/71.1
4	188/71.8
3	188/1.11L
3	188/71.9
3	188/72.2
3	188/73.39
3	303/87
2	82/112
2	139/452
2	188/170
2	188/218R
2	188/250E
2	188/70R
2	188/73.32
2	192/13R

Cross-Reference Classifications

13	188/218XL
12	188/71.5
8	188/72.2
7	188/264AA
7	188/72.7
6	188/18A
6	188/71.8
6	188/72.9
6	188/73.39
6	192/111A
5	188/170
5	188/196P
5	188/196R
5	188/218A
5	188/250B
5	188/72.6
5	188/73.45
5	192/70
4	188/264G
4	188/369
4	188/71.6
4	188/71.7
4	188/72.3
4	188/72.4
4	188/73.1
4	192/107R
3	138/30
3	188/106F
3	188/250R
3	188/264R
3	188/71.4
3	188/73.31

3 188/73.35  
 3 188/73.38  
 3 192/107M  
 3 192/30W  
 3 192/83  
 2 74/574  
 2 188/1.11L  
 2 188/1.11W  
 2 188/171  
 2 188/196BA  
 2 188/196M  
 2 188/217  
 2 188/250E  
 2 188/250G  
 2 188/251A  
 2 188/251M  
 2 188/264A  
 2 188/264D  
 2 188/264E  
 2 188/2D  
 2 188/370  
 2 188/72.1  
 2 188/73.2  
 2 188/73.32  
 2 188/73.34  
 2 188/73.43  
 2 192/70.12  
 2 192/70.13  
 2 192/70.25  
 2 192/70.27  
 2 192/93R  
 2 242/365.4  
 2 280/93.512  
 2 301/6.3  
 2 301/6.91

#### Combined Classifications

26 188/71.5  
 25 188/218XL  
 12 188/18A  
 11 188/71.4  
 11 188/72.2  
 10 188/71.6  
 10 188/71.8  
 9 188/73.39  
 8 188/264AA  
 8 188/72.7  
 7 188/170  
 6 188/196P  
 6 188/196R  
 6 188/218A  
 6 188/72.9  
 6 188/73.45  
 6 192/111A  
 6 192/70  
 5 188/1.11L  
 5 188/250B  
 5 188/71.1  
 5 188/72.4



5 188/72.6  
5 188/73.1  
5 192/107R  
4 188/250E  
4 188/264G  
4 188/369  
4 188/71.7  
4 188/71.9  
4 188/72.3  
4 188/73.31  
4 188/73.32  
4 188/73.35  
3 138/30  
3 188/1.11W  
3 188/106F  
3 188/196BA  
3 188/218R  
3 188/250G  
3 188/250R  
3 188/251M  
3 188/264A  
3 188/264R  
3 188/70R  
3 188/73.2  
3 188/73.38  
3 188/73.43  
3 192/107M  
3 192/30W  
3 192/70.13  
3 192/83  
3 303/87  
2 29/416  
2 74/574  
2 82/112  
2 139/452  
2 188/1.11R  
2 188/171  
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2 188/217  
2 188/251A  
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2 188/370  
2 188/71.3  
2 188/72.1  
2 188/72.5  
2 188/73.34  
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2 192/13R  
2 192/70.12  
2 192/70.25  
2 192/70.27  
2 192/85AA  
2 192/93R  
2 242/365.4  
2 242/422.8  
2 267/161  
2 280/93.512

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2 301/6.3  
2 301/6.91  
2 340/454

## 10605598\_CLSTITLES

Titles of Most Frequently Occurring Classifications of Patents Returned  
From A Search of 10605598 on April 21, 2004

26 188/71.5 (14 OR, 12 XR)  
 Class 188 : BRAKES  
 188/67 ROD  
 188/71.1 .Axially movable brake element or housing  
 therefor  
 188/71.5 ..Plural rotating elements (e.g., "multidisc")

25 188/218XL (12 OR, 13 XR)  
 Class 188 : BRAKES  
 188/381 FRICTIONAL VIBRATION DAMPER  
 188/218R .Brake wheels  
 188/218XL ..Disk type

12 188/18A (6 OR, 6 XR)  
 Class 188 : BRAKES  
 188/2R VEHICLE  
 188/17 .Hub or disk  
 188/18R ..Motor vehicle  
 188/18A ...Disc brakes

11 188/71.4 (8 OR, 3 XR)  
 Class 188 : BRAKES  
 188/67 ROD  
 188/71.1 .Axially movable brake element or housing  
 therefor  
 188/71.3 ..Antipodal, relatively separable brake  
 elements  
 188/71.4 ...Annular elements

11 188/72.2 (3 OR, 8 XR)  
 Class 188 : BRAKES  
 188/67 ROD  
 188/71.1 .Axially movable brake element or housing  
 therefor  
 188/72.1 ..With means for actuating brake element  
 188/72.2 ...Self-force-increasing means

10 188/71.6 (6 OR, 4 XR)  
 Class 188 : BRAKES  
 188/67 ROD  
 188/71.1 .Axially movable brake element or housing  
 therefor  
 188/71.6 ..With means for cooling brake

10 188/71.8 (4 OR, 6 XR)  
 Class 188 : BRAKES  
 188/67 ROD  
 188/71.1 .Axially movable brake element or housing  
 therefor  
 188/71.7 ..With means to adjust for wear of brake  
 188/71.8 ...Self-adjusting means

9 188/73.39 (3 OR, 6 XR)  
 Class 188 : BRAKES

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188/67            ROD  
188/71.1        .Axially movable brake element or housing  
                 therefor  
188/73.31       ..Retainer for brake element  
188/73.39       ...Including torque member supporting brake  
                 element

8 188/264AA      (1 OR, 7 XR)  
Class 188 : BRAKES  
188/381        FRICTIONAL VIBRATION DAMPER  
188/264R       .Cooling and lubricating  
188/264A       ..Air-cooled, axially engaging  
188/264AA       ...Auto wheel type

8 188/72.7       (1 OR, 7 XR)  
Class 188 : BRAKES  
188/67        ROD  
188/71.1       .Axially movable brake element or housing  
                 therefor  
188/72.1       ..With means for actuating brake element  
188/72.7       ...By inclined surface (e.g., wedge, cam or  
                 screw)

7 188/170       (2 OR, 5 XR)  
Class 188 : BRAKES  
188/381        FRICTIONAL VIBRATION DAMPER  
188/166        .Spring  
188/170        ..Fluid-pressure release

6 188/196P       (1 OR, 5 XR)  
Class 188 : BRAKES  
188/381        FRICTIONAL VIBRATION DAMPER  
188/196R       .Slack  
188/196P       ..Friction

6 188/196R       (1 OR, 5 XR)  
Class 188 : BRAKES  
188/381        FRICTIONAL VIBRATION DAMPER  
188/196R       .Slack

6 188/218A       (1 OR, 5 XR)  
Class 188 : BRAKES  
188/381        FRICTIONAL VIBRATION DAMPER  
188/218R       .Brake wheels  
188/218A       ..Dust guard

6 188/72.9       (0 OR, 6 XR)  
Class 188 : BRAKES  
188/67        ROD  
188/71.1       .Axially movable brake element or housing  
                 therefor  
188/72.1       ..With means for actuating brake element  
188/72.9       ...By pivoted lever

6 188/73.45      (1 OR, 5 XR)  
Class 188 : BRAKES  
188/67        ROD  
188/71.1       .Axially movable brake element or housing  
                 therefor

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- 188/73.31 ..Retainer for brake element
- 188/73.43 ...Including actuator slidable in plane  
parallel to axis of rotation of wheel
- 188/73.44 ....On axially extending pin
- 188/73.45 .....Plural pins
  
- 6 192/111A (0 OR, 6 XR)  
Class 192 : CLUTCHES AND POWER-STOP CONTROL  
192/30R CLUTCHES  
192/111R .Wear compensators  
192/111A ..Automatic wear compensators
  
- 6 192/70 (1 OR, 5 XR)  
Class 192 : CLUTCHES AND POWER-STOP CONTROL  
192/30R CLUTCHES  
192/66.1 .Axially engaging  
192/70 ..Spreading
  
- 5 188/1.11L (3 OR, 2 XR)  
Class 188 : BRAKES  
188/1.11R WITH CONDITION INDICATOR  
188/1.11W .Wear  
188/1.11L ..Electrical
  
- 5 188/250B (0 OR, 5 XR)  
Class 188 : BRAKES  
188/381 . FRICTIONAL VIBRATION DAMPER  
188/250R .Shoes  
188/250B ..Shoe construction
  
- 5 188/71.1 (4 OR, 1 XR)  
Class 188 : BRAKES  
188/67 ROD  
188/71.1 .Axially movable brake element or housing  
therefor
  
- 5 188/72.4 (1 OR, 4 XR)  
Class 188 : BRAKES  
188/67 ROD  
188/71.1 .Axially movable brake element or housing  
therefor  
188/72.1 ..With means for actuating brake element  
188/72.4 ...By fluid pressure piston
  
- 5 188/72.6 (0 OR, 5 XR)  
Class 188 : BRAKES  
188/67 ROD  
188/71.1 .Axially movable brake element or housing  
therefor  
188/72.1 ..With means for actuating brake element  
188/72.4 ...By fluid pressure piston  
188/72.6 ....And/or mechanical linkage
  
- 5 188/73.1 (1 OR, 4 XR)  
Class 188 : BRAKES  
188/67 ROD  
188/71.1 .Axially movable brake element or housing  
therefor  
188/73.1 ..Structure of brake element

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- 5 192/107R (1 OR, 4 XR)
  - Class 192 : CLUTCHES AND POWER-STOP CONTROL
  - 192/30R CLUTCHES
  - 192/107R .Engaging surfaces
  
- 4 188/250E (2 OR, 2 XR)
  - Class 188 : BRAKES
  - 188/381 FRICTIONAL VIBRATION DAMPER
  - 188/250R .Shoes
  - 188/250E ..Slotted shoes and vibration dampers
  
- 4 188/264G (0 OR, 4 XR)
  - Class 188 : BRAKES
  - 188/381 FRICTIONAL VIBRATION DAMPER
  - 188/264R .Cooling and lubricating
  - 188/264G ..Insulators
  
- 4 188/369 (0 OR, 4 XR)
  - Class 188 : BRAKES
  - 188/381 FRICTIONAL VIBRATION DAMPER
  - 188/151R .Fluid pressure
  - 188/152 ..Road vehicle
  - 188/361 ...Wheel brake operating assembly
  - 188/369 ....With axially movable brake member
  
- 4 188/71.7 (0 OR, 4 XR)
  - Class 188 : BRAKES
  - 188/67 ROD
  - 188/71.1 .Axially movable brake element or housing therefor
  - 188/71.7 ..With means to adjust for wear of brake
  
- 4 188/71.9 (3 OR, 1 XR)
  - Class 188 : BRAKES
  - 188/67 ROD
  - 188/71.1 .Axially movable brake element or housing therefor
  - 188/71.7 ..With means to adjust for wear of brake
  - 188/71.8 ...Self-adjusting means
  - 188/71.9 ....Including unidirectionally rotating screw
  
- 4 188/72.3 (0 OR, 4 XR)
  - Class 188 : BRAKES
  - 188/67 ROD
  - 188/71.1 .Axially movable brake element or housing therefor
  - 188/72.1 ..With means for actuating brake element
  - 188/72.3 ...And means for retracting brake element
  
- 4 188/73.31 (1 OR, 3 XR)
  - Class 188 : BRAKES
  - 188/67 ROD
  - 188/71.1 .Axially movable brake element or housing therefor
  - 188/73.31 ..Retainer for brake element
  
- 4 188/73.32 (2 OR, 2 XR)

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- Class 188 : BRAKES  
 188/67 ROD  
 188/71.1 .Axially movable brake element or housing therefor  
 188/73.31 ..Retainer for brake element  
 188/73.32 ...Having means to facilitate changing brake element
- 4 188/73.35 (1 OR, 3 XR)  
 Class 188 : BRAKES  
 188/67 ROD  
 188/71.1 .Axially movable brake element or housing therefor  
 188/73.31 ..Retainer for brake element  
 188/73.35 ...Having actuator and means to prevent vibration thereof
- 3 138/30 (0 OR, 3 XR)  
 Class 138 : PIPES AND TUBULAR CONDUITS  
 138/26 WITH PRESSURE COMPENSATORS  
 138/30 .Variable capacity chambers
- 3 188/1.11W (1 OR, 2 XR)  
 Class 188 : BRAKES  
 188/1.11R WITH CONDITION INDICATOR  
 188/1.11W .Wear
- 3 188/106F (0 OR, 3 XR)  
 Class 188 : BRAKES  
 188/381 FRICTIONAL VIBRATION DAMPER  
 188/105 .Multiple  
 188/106R ..Vehicle  
 188/106F ...Fluid and mechanical
- 3 188/196BA (1 OR, 2 XR)  
 Class 188 : BRAKES  
 188/381 FRICTIONAL VIBRATION DAMPER  
 188/196R .Slack  
 188/196B ..Ratchet  
 188/196BA ...Rotatable
- 3 188/218R (2 OR, 1 XR)  
 Class 188 : BRAKES  
 188/381 FRICTIONAL VIBRATION DAMPER  
 188/218R .Brake wheels
- 3 188/250G (1 OR, 2 XR)  
 Class 188 : BRAKES  
 188/381 FRICTIONAL VIBRATION DAMPER  
 188/250R .Shoes  
 188/250G ..Surfaces and fasteners
- 3 188/250R (0 OR, 3 XR)  
 Class 188 : BRAKES  
 188/381 FRICTIONAL VIBRATION DAMPER  
 188/250R .Shoes
- 3 188/251M (1 OR, 2 XR)  
 Class 188 : BRAKES

## 10605598\_CLSTITLES

- 188/381            FRICTIONAL VIBRATION DAMPER
  - 188/250R          .Shoes
  - 188/251R          ..Composite
  - 188/251M          ...Metallic surfaces
- 3 188/264A          (1 OR, 2 XR)
- Class 188 : BRAKES
  - 188/381           FRICTIONAL VIBRATION DAMPER
  - 188/264R          .Cooling and lubricating
  - 188/264A          ..Air-cooled, axially engaging
- 3 188/264R          (0 OR, 3 XR)
- Class 188 : BRAKES
  - 188/381           FRICTIONAL VIBRATION DAMPER
  - 188/264R          .Cooling and lubricating
- 3 188/70R           (2 OR, 1 XR)
- Class 188 : BRAKES
  - 188/67            ROD
  - 188/70R           .Axially and transversely movable
- 3 188/73.2          (1 OR, 2 XR)
- Class 188 : BRAKES
  - 188/67            ROD
  - 188/71.1          .Axially movable brake element or housing  
                         therefor
  - 188/73.1          ..Structure of brake element
  - 188/73.2          ...Circumferential or circumferentially spaced
- 3 188/73.38        (0 OR, 3 XR)
- Class 188 : BRAKES
  - 188/67            ROD
  - 188/71.1          .Axially movable brake element or housing  
                         therefor
  - 188/73.31        ..Retainer for brake element
  - 188/73.37        ...Having means to prevent vibration of brake  
                         element
  - 188/73.38        ....Spring
- 3 188/73.43        (1 OR, 2 XR)
- Class 188 : BRAKES
  - 188/67            ROD
  - 188/71.1          .Axially movable brake element or housing  
                         therefor
  - 188/73.31        ..Retainer for brake element
  - 188/73.43        ...Including actuator slidable in plane  
                         parallel to axis of rotation of wheel
- 3 192/107M        (0 OR, 3 XR)
- Class 192 : CLUTCHES AND POWER-STOP CONTROL
  - 192/30R           CLUTCHES
  - 192/107R          .Engaging surfaces
  - 192/107M          ..Material
- 3 192/30W          (0 OR, 3 XR)
- Class 192 : CLUTCHES AND POWER-STOP CONTROL
  - 192/30R           CLUTCHES
  - 192/30W          .Warning, indicating, and signal devices



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- 3 192/70.13 (1 OR, 2 XR)
  - Class 192 : CLUTCHES AND POWER-STOP CONTROL
  - 192/30R CLUTCHES
  - 192/66.1 .Axially engaging
  - 192/70.11 ..Interposed, mating clutch-elements
  - 192/70.13 ...With removable or replaceable or interchangeable clutch parts
  
- 3 192/83 (0 OR, 3 XR)
  - Class 192 : CLUTCHES AND POWER-STOP CONTROL
  - 192/30R CLUTCHES
  - 192/82R .Operators
  - 192/83 ..Multiple for same clutch
  
- 3 303/87 (3 OR, 0 XR)
  - Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
  - 303/87 PULSATION NEUTRALIZERS
  
- 2 29/416 (1 OR, 1 XR)
  - Class 029 : METAL WORKING
  - 29/592 METHOD OF MECHANICAL MANUFACTURE
  - 29/412 .Obtaining plural product pieces from unitary workpiece
  - 29/416 ..Coacting pieces
  
- 2 74/574 (0 OR, 2 XR)
  - Class 074 : MACHINE ELEMENT OR MECHANISM
  - 74/469 CONTROL LEVER AND LINKAGE SYSTEMS
  - 74/572 .Flywheels and rotors
  - 74/574 ..With vibration damping means
  
- 2 82/112 (2 OR, 0 XR)
  - Class 082 : TURNING
  - 82/112 PORTABLE LATHE FOR BRAKE DRUM, DISC, OR SHOE
  
- 2 139/452 (2 OR, 0 XR)
  - Class 139 : TEXTILES: WEAVING
  - 139/116.1 WEFT MANIPULATION
  - 139/429 .Weaving with stationary weft supply
  - 139/450 ..Weft handling
  - 139/452 ...Measuring or storing
  
- 2 188/1.11R (1 OR, 1 XR)
  - Class 188 : BRAKES
  - 188/1.11R WITH CONDITION INDICATOR
  
- 2 188/171 (0 OR, 2 XR)
  - Class 188 : BRAKES
  - 188/381 FRICTIONAL VIBRATION DAMPER
  - 188/166 .Spring
  - 188/171 ..Electric release
  
- 2 188/196M (0 OR, 2 XR)
  - Class 188 : BRAKES
  - 188/381 FRICTIONAL VIBRATION DAMPER
  - 188/196R .Slack
  - 188/196M ..Manual

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- 2 188/217 (0 OR, 2 XR)  
     Class 188 : BRAKES  
     188/381      FRICTIONAL VIBRATION DAMPER  
     188/217      .Brake-thrust distributors
- 2 188/251A (0 OR, 2 XR)  
     Class 188 : BRAKES  
     188/381      FRICTIONAL VIBRATION DAMPER  
     188/250R      .Shoes  
     188/251R      ..Composite  
     188/251A      ...Materials
- 2 188/264D (0 OR, 2 XR)  
     Class 188 : BRAKES  
     188/381      FRICTIONAL VIBRATION DAMPER  
     188/264R      .Cooling and lubricating  
     188/264D      ..Liquid cool
- 2 188/264E (0 OR, 2 XR)  
     Class 188 : BRAKES  
     188/381      FRICTIONAL VIBRATION DAMPER  
     188/264R      .Cooling and lubricating  
     188/264E      ..Wet friction surface and internal resistance
- 2 188/2D (0 OR, 2 XR)  
     Class 188 : BRAKES  
     188/2R      VEHICLE  
     188/2D      .Bowdin wire-operated
- 2 188/370 (0 OR, 2 XR)  
     Class 188 : BRAKES  
     188/381      FRICTIONAL VIBRATION DAMPER  
     188/151R      .Fluid pressure  
     188/152      ..Road vehicle  
     188/361      ...Wheel brake operating assembly  
     188/369      ....With axially movable brake member  
     188/370      .....Spot type
- 2 188/71.3 (1 OR, 1 XR)  
     Class 188 : BRAKES  
     188/67      ROD  
     188/71.1      .Axially movable brake element or housing  
                   therefor  
     188/71.3      ..Antipodal, relatively separable brake  
                   elements
- 2 188/72.1 (0 OR, 2 XR)  
     Class 188 : BRAKES  
     188/67      ROD  
     188/71.1      .Axially movable brake element or housing  
                   therefor  
     188/72.1      ..With means for actuating brake element
- 2 188/72.5 (1 OR, 1 XR)  
     Class 188 : BRAKES  
     188/67      ROD  
     188/71.1      .Axially movable brake element or housing  
                   therefor

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- 188/72.1      ..With means for actuating brake element
- 188/72.4      ...By fluid pressure piston
- 188/72.5      ....Piston for each of plural elements
  
- 2   188/73.34      (0 OR, 2 XR)
  - Class   188 :   BRAKES
  - 188/67      ROD
  - 188/71.1     .Axially movable brake element or housing  
                  therefor
  - 188/73.31     ..Retainer for brake element
  - 188/73.32     ...Having means to facilitate changing brake  
                  element
  - 188/73.33     ....By manipulation of brake actuator
  - 188/73.34     .....Pivotable actuator
  
- 2   188/73.37      (1 OR, 1 XR)
  - Class   188 :   BRAKES
  - 188/67      ROD
  - 188/71.1     .Axially movable brake element or housing  
                  therefor
  - 188/73.31     ..Retainer for brake element
  - 188/73.37     ...Having means to prevent vibration of brake  
                  element
  
- 2   192/13R        (2 OR, 0 XR)
  - Class   192 :   CLUTCHES AND POWER-STOP CONTROL
  - 192/12R      CLUTCH AND BRAKE
  - 192/13R      .Vehicle type
  
- 2   192/70.12      (0 OR, 2 XR)
  - Class   192 :   CLUTCHES AND POWER-STOP CONTROL
  - 192/30R      CLUTCHES
  - 192/66.1     .Axially engaging
  - 192/70.11     ..Interposed, mating clutch-elements
  - 192/70.12     ...With means to cool or lubricate clutch parts
  
- 2   192/70.25      (0 OR, 2 XR)
  - Class   192 :   CLUTCHES AND POWER-STOP CONTROL
  - 192/30R      CLUTCHES
  - 192/66.1     .Axially engaging
  - 192/70.11     ..Interposed, mating clutch-elements
  - 192/70.25     ...With adjustable means to move clutch-element  
                  axially (e.g., to compensate for wear)
  
- 2   192/70.27      (0 OR, 2 XR)
  - Class   192 :   CLUTCHES AND POWER-STOP CONTROL
  - 192/30R      CLUTCHES
  - 192/66.1     .Axially engaging
  - 192/70.11     ..Interposed, mating clutch-elements
  - 192/70.27     ...With spring means to move clutch-element  
                  axially
  
- 2   192/85AA       (1 OR, 1 XR)
  - Class   192 :   CLUTCHES AND POWER-STOP CONTROL
  - 192/30R      CLUTCHES
  - 192/82R      .Operators
  - 192/85R      ..Fluid pressure
  - 192/85AA      ...Axially engaging clamping rotating motor and

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clutch

- 2 192/93R (0 OR, 2 XR)  
Class 192 : CLUTCHES AND POWER-STOP CONTROL  
192/30R CLUTCHES  
192/82R .Operators  
192/93R ..Cam
- 2 242/365.4 (0 OR, 2 XR)  
Class 242 : WINDING, TENSIONING, OR GUIDING  
242/364 UNIDIRECTIONAL WINDING AND UNWINDING  
242/364.6 .Variable number of windings on support  
242/365.3 ..Stationary winding surface (e.g., with flyer)  
  
242/365.4 ...Brake providing resistance to removal of  
material
- 2 242/422.8 (1 OR, 1 XR)  
Class 242 : WINDING, TENSIONING, OR GUIDING  
242/410 TENSION CONTROL OR BRAKE  
242/416 .Supply controlled  
242/422 ..Yieldable coil brake  
242/422.4 ...Radially applied  
242/422.8 ....Strap
- 2 267/161 (1 OR, 1 XR)  
Class 267 : SPRING DEVICES  
267/158 BENDABLE ALONG FLAT SURFACE (E.G., LEAF SPRING)  
  
267/161 .Ring or annular spider
- 2 280/93.512 (0 OR, 2 XR)  
Class 280 : LAND VEHICLES  
280/29 WHEELED  
280/80.1 .Running gear  
280/771 ..Occupant steered  
280/93.502 ...Linkage  
280/93.512 ....Kingpin, steering knuckle, steering arm, or  
wheel carrier construction
- 2 301/6.3 (0 OR, 2 XR)  
Class 301 : LAND VEHICLES: WHEELS AND AXLES  
301/5.1 WHEEL  
301/6.1 .With drive or brake attachment  
301/6.3 ..And with brake-cooling means
- 2 301/6.91 (0 OR, 2 XR)  
Class 301 : LAND VEHICLES: WHEELS AND AXLES  
301/5.1 WHEEL  
301/6.1 .With drive or brake attachment  
301/6.91 ..Having vibration damper or heat insulator
- 2 340/454 (1 OR, 1 XR)  
Class 340 : COMMUNICATIONS: ELECTRICAL  
340/425.5 LAND VEHICLE ALARMS OR INDICATORS  
340/438 .Internal alarm or indicator responsive to a  
condition of the vehicle  
340/453 ..Brake or clutch condition  
340/454 ...Wear

EAST 4/21/04

L Number	Hits	Search Text	DB	Time stamp
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1	148	("4256209" "5012901" "6233533" "5893445" "4247124" "6029781" "6227340" "4316529" "5738189" "4311219" "4540067" "4856620" "4928798" "5433298" "4383593" "4276963" "4358002" "4503944" "4550810" "4613021" "4804071" "6230852" "4321984" "4334597" "4480725" "4501346" "4787482" "4796730" "4860865" "5205382" "5330034" "5535857" "5568846" "5651430" "5699881" "5788026" "5826685" "5864935" "5868233" "5906253" "6006869" "6085875" "6119828" "6186285" "6267209" "4526329" "4570874" "6058982" "6058982" "5203434").pn. ("5255874" "4043431" "4310131" "4523499" "4530881" "4632227" "4775114" "4895236" "5232231" "5328008" "5551262" "5749416" "6105730" "6241056" "6325185" "6386340" "4276965" "4285417" "4813145" "5366047" "5669858" "5765667" "4606436"	USPAT; US-PGPUB	2004/04/21 10:34
Search History 4/21/04 10:37:47 AM Page 2				
C:\APPS\least\workspaces\10002398.wsp				

-	13	cast adj iron adj alloy with brak\$4 with (rotor or disk or disc)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/21 06:02
-	1373	(radius\$4 or diameter) near6 (rotor or disk or disc) with brak\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/21 06:03
-	76	(radial or radius or diameter) near5 (extent or length) with brak\$4 near4 (lining or pad or shoe)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/21 06:06
-	1865	(extent or length) with brak\$4 near4 (lining or pad or shoe)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/21 06:07
-	13	((radius\$4 or diameter) near6 (rotor or disk or disc) with brak\$4) same ( (extent or length) with brak\$4 near4 (lining or pad or shoe))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/21 06:07
-	1	ratio same (((radius\$4 or diameter) near6 (rotor or disk or disc) with brak\$4) same ( (extent or length) with brak\$4 near4 (lining or pad or shoe)))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/21 06:08
-	93	ratio with brak\$4 with (rotor or disk or disc) with (pad or lining or shoe)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/21 08:39
-	10	ratio with brak\$4 with (rotor or disk or disc) with (pad or lining or shoe) with (radius\$4 or diameter)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/21 06:10
-	3	brak\$4 with wear adj zone	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/21 06:11
-	2008	axle near4 (load\$4 or pressure) with brak\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/21 06:11
-	74	axle near4 (load\$4 or pressure) with brak\$4 with (rotor or disk or disc)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/21 06:12
-	11	axle near4 (load\$4 or pressure) with brak\$4 with (rotor or disk or disc) and heavy near3 (vehicle or lorry or truck)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/21 06:13
-	0	axle near4 (load\$4 or pressure) with brak\$4 with (rotor or disk or disc) and heavy near3 (vehicle or lorry or truck) and tonnes	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/21 06:13
-	1	axle near4 (load\$4 or pressure) with brak\$4 with (rotor or disk or disc) and heavy near3 (vehicle or lorry or truck) and tons	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/21 06:15
-	1	axle near4 (load\$4 or pressure) with brak\$4 with (rotor or disk or disc) with tons!	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/21 07:22
-	1	DE adj2 "19507102"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/21 07:57
-	1	1996-403743.NRAN.	DERWENT	2004/04/21 07:22
-	1	1996-403743.NRAN.	DERWENT	2004/04/21 07:24

-	6	DE adj2 "3736126"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/21 08:04
-	1	6347691.pn.	USPAT; US-PGPUB	2004/04/21 08:08
-	1	"6347691"	USPAT; US-PGPUB	2004/04/21 08:08
-	1	"6467590"	USPAT; US-PGPUB	2004/04/21 08:08
-	6	("4705146"   "5139117"   "5417313"   "5735366"   "6161660"   "6241054").PN.	USPAT	2004/04/21 08:11
-	6	("4705146"   "5139117"   "5417313"   "5735366"   "6161660"   "6241054").PN.	USPAT	2004/04/21 08:16
-	1	de adj "2458048"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/21 08:18
-	1	de adj "4041010"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/21 08:19
-	1	1991-201773.NRAN.	DERWENT	2004/04/21 08:18
-	1	de adj "19507102"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/21 08:19
-	5	jp near2 "62-97329"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/21 08:21
-	1	1996-465518.NRAN.	DERWENT	2004/04/21 08:35
-	2	"4133593" near2 de	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/21 08:40
-	17	radius with (arc or chord) with (width or length or height) with brak\$	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/21 09:31
-	44116	brak\$4 near3 (rotor or disk or disc)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/21 09:31
-	1190	brak\$4 near3 (rotor or disk or disc) with brak\$3 adj torque	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/21 09:31
-	7	brak\$4 near3 (rotor or disk or disc) with brak\$3 adj torque with truck	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/21 09:32
-	0	brak\$4 near3 (rotor or disk or disc) same brak\$3 adj torque with truck same axle and (bandwear or band adj wear)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/21 09:33
-	8	brak\$4 near3 (rotor or disk or disc) same brak\$3 adj torque with truck same axle	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/21 09:34
-	0	5568846.pn. and cast adj iron	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/21 09:34
-	0	5568846.pn. and iron	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/21 09:37



-	8	Hulten.in. and Dagh.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/21 09:38
-	1	2002-572716.NRAN.	DERWENT	2004/04/21 09:38
-	114	volvo.asn. and (brak\$4 near3 (rotor or disk or disc))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/21 09:51
-	2	volvo.asn. and (brak\$4 near3 (rotor or disk or disc)) and cast adj iron	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/21 09:42
-	1	2002-572716.NRAN.	DERWENT	2004/04/21 09:40
-	2	Disk near2 brake and heavy adj vehicle and rotor and cast with iron with alloy	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/21 09:43
-	19	Disk near2 brake same rotor same cast with iron with alloy	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/21 09:43
-	63	volvo.asn. and (brak\$4 near3 (rotor or disk or disc))	EPO; DERWENT	2004/04/21 10:33